

**Notice of Allowability**

Application No.

09/336,990

Examiner

Kenneth Tang

Applicant(s)

XU, JIA

Art Unit

2195

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/8/05.
2. ☒ The allowed claim(s) is/are 115-122, 124-157; now renumbered as 1-42.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☒ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 8/30/05.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**MENG-AL T. AN**  
SUPERVISORY PATENT EXAMINER  
FACILITY CENTER 2100

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Jia Xu on 8/30/05.
3. The application has been amended as follows:

In the claims:

Claim 115;

- line 29, insert after “,”– and –;
- line 47, replace “that said” with – that all of said –;

Claim 116;

- line 23, insert after “,”– and –;
- lines 40-41, replace “that said” with – that all of said –;

Claim 117;

- line 1, replace “A method” with – The method –;

Claim 118;

- line 1, replace “A method” with – The method –;

Claim 119;

- line 1, replace “A method” with – The method –;

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Claim 120;

- line 1, replace "A method" with – The method –;

Claim 121;

- line 1, replace "A method" with – The method –;

Claim 122;

- line 1, replace "A method" with – The method –;

CANCEL Claim 123;

Claim 124;

- line 1, replace "A method" with – The method –;

Claim 125;

- line 1, replace "A method" with – The method –;

Claim 126;

- line 1, replace "A method" with – The method –;

Claim 127;

- line 1, replace "A method" with – The method –;

Claim 128;

- line 1, replace "A method" with – The method –;

Claim 129;

- line 1, replace "A method" with – The method –;

Replace claim 130:

130. A method as defined in claim 127, further including the steps of

(A)

constructing a first schedule for executions of the periodic process within an interval starting from zero and having length equal to maximum offset value plus a bounded number of times of the length of at least common multiple of the periodic process periods, conditions for determining feasibility requiring the existence of a point in said first schedule wherein starting from the latter point the schedule repeats in subschedule interval lengths equal to a least common multiple of lengths of the periodic process periods, timing of all executions of all periodic processes within a time interval having length equal to the length of the least common multiple of the periodic process periods being included in each said repeating subschedule interval, and including satisfaction of all predetermined constraints for all executions of all periodic processes within the subschedule interval starting from time zero and ending at said point plus the length of the least common multiple of the periodic process periods in said first schedule, and checking for the first occurrence of said point in said first schedule,

(B)

generating said feasible two-part pre-run-time-schedule by

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- (1) using a subschedule interval starting from time zero and ending at said point in said first schedule as said initial part of said feasible two-part pre-run-time schedule, and
- (2) using a subschedule interval starting from said point and ending at said point plus the length of the least common multiple of the periodic process periods in said first schedule as said repeating part of said feasible two-part pre-run-time schedule.

Claim 131;

- line 1, replace "A method" with – The method –;

Claim 132;

- line 1, replace "A method" with – The method –;

Claim 133;

- line 1, replace "A method" with – The method –;

Claim 134;

- line 1, replace "A method" with – The method –;

Claim 135;

- line 1, replace "A method" with – The method –;

Claim 136;

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- line 1, replace "A method" with – The method –;

Claim 137;

- line 1, replace "A method" with – The method –;

Claim 138;

- line 1, replace "A method" with – The method –;

Claim 139;

- line 1, replace "A method" with – The method –;

Claim 140;

- line 1, replace "A method" with – The method –;

Claim 141;

- line 1, replace "A method" with – The method –;

Claim 142;

- line 1, replace "A method" with – The method –;

Claim 143;

- line 1, replace "A method" with – The method –;

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Claim 144;

- line 1, replace "A method" with – The method –;

Claim 145;

- line 1, replace "A method" with – The method –;

Claim 146;

- line 1, replace "A method" with – The method –;

Claim 147;

- line 1, replace "A method" with – The method –;

Claim 148;

- line 1, replace "A method" with – The method –;

Claim 149;

- line 1, replace "A method" with – The method –;

Claim 150;

- line 20, replace "execution," with –execution, and –;
- lines 44-45, replace "that said" with – that all of said –;

Claim 151;

- line 1, replace "A method" with – The method –;

Claim 152;

- line 1, replace "A method" with – The method –;

Claim 153;

- line 26, replace "execution," with –execution, and –;
- line 38, replace "that said" with – that all of said –;

Claim 154;

- line 1, replace "A method" with – The method –;

Claim 156;

- line 1, replace "A method" with – The method –;

Claim 157;

- line 1, replace "A method" with – The method –;



*Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth Tang whose telephone number is (571) 272-3772. The examiner can normally be reached on 8:30AM - 6:00PM, Every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kt  
8/31/05

  
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SUPERVISOR  
PATENT EXAMINER  
ELECTRONIC BUSINESS CENTER